

# Project Fact Sheet

## *SMUD Project 2.1 - Accelerated Anaerobic Composting for Energy Generation – Yolo County Landfill*

### GOALS

- Acceleration of waste decomposition and leachate treatment to accomplish rapid completion of composting, stabilization and generation of methane to the maximum practical yield.
- Efficient capture of nearly all generated methane.
- Document the capital and operations cost of a full-scale bioreactor and determine the economic viability of it commercialization.



### PROJECT DESCRIPTION

This project is to provide technical and economics data and solution to the identified permitting condition that pose constraint in the advancement of this technology into the commercialization phase. This will be accomplished through resolving technical issues, regulatory constraints, and demonstrating the environmental and economic benefits of this technology.



YOLO Bioreactor: Drilling and sampling of waste in the West 6-acre cell

### BENEFITS TO CALIFORNIA

At project completion substantial technical and economics data will be available to the stakeholders, EPA, and State of California regulatory agencies. This will lead to the acceptance and commercialization of this technology throughout the state. As a result of this demonstration project and acceptance of the Bioreactor Landfilling concept by EPA, and the state, many other public and private landfill owners and operators will be able to implement this technology at other sites. The technology

is expected to improve the economics of landfill gas to electricity and yield more renewable landfill gas and provide many environmental benefits for-nearly all regions in the United States.

## **FUNDING AMOUNT**

Commission    \$1,154,250  
Match            \$2,753,000

## **PROJECT STATUS**

The project is scheduled from 11/30/2001 to 11/30/2004. The project is currently on schedule and within the budget.

## **FOR MORE INFORMATION**

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